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ΠΟΜΛΣ IP

Wireless Phone

Station User Guide

Issue 1.0 - Month 2006

P/N: 3807-14

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Issue	Release	Changes
1.0	X-06	Initial Release

NOTICE:
Vodavi Communications does not encourage the use of this device to access any wireless network without authorization. Unauthorized use of a network may be a violation of federal, state or local laws.

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Product Description

List of Features

The *Nomad IP* wireless phone (*sometimes referred to as the WIT-300H*) comes equipped with the following features:

Twenty-seven (27) Fixed Feature/Function buttons:

- Send and End Buttons
- Left and Right Soft Menu Buttons
- OK Button and 4 Navigation Buttons
- Hold/Save Button
- Trans/PGM Button
- Clear/Prev Button
- Standard Dial Buttons (1-9, 0, *, #)
- Volume Up and Down Buttons
- PTT Button

65K Color Graphic LCD (*128x128 dot matrix*), Back Light

Vibration / PTT

64 Poly Sound

Internal Antenna

2.5 mm Headset Jack

Hearing Aid Compatible Receiver

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Nomad IP Layout

The following diagram will help you become familiar with your new wireless phone.

Ear-Jack

Ring/Msg LED

Volume Up/Down

Push-To-Talk

System (*Left*)

Schedule (*Up*)

Menu/LSK*

Search/RSK*

Send

End

Hold/Save

Trans/PGM

Clear/Prev

Nbr/Char Keys

Manner Mode (*Vibrate*)

Lock Mode

Message (*Down*)   Flex (*Right*)
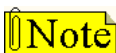
Note	*** Dual-Function Keys**
	"Menu" button serves as Left Soft Key (LSK).
	"Search" button functions as Right Soft Key (RSK).

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User Interface

This section describes the LCD display, the function associated with each button, and the multiple ways to enter text when sending a message.

LCD Display

The LCD shows different wireless states, and displays visual feedback for the actions performed by the user.

LCD Icons

The following icons display in the top area of the LCD and indicate the status and/or action of the functions shown.

Icon	Description
	Signal strength
	Call is connected
	No service (*phone is not receiving a system signal*)
	Vibration mode
	Vibration and Ring mode
	New text message received
	Alarm is set and ON
	Manner Mode (*quickly set to vibrate mode*)
	Battery status
	New voice message received

Main Menu Icons

These icons are used to access the following *Nomad IP Main Menu* options:

Icon	Description
	1. Phone Book
	2. Call History
	3. Messages
	4. Tools
	5. Settings
	6. Phone Info
	7. System

Main Menu -- Displays / Options / Navigation

Main Menu Display

The *Main Menu* can be displayed in either a list style or an arch style.

List Style / Arch Style

You can access the *Main Menu* in one of two ways:

1) Press the [LSK].

   Using the [Up/Down] navigation keys, scroll to the desired option and press the [OK] button.

   Then scroll to the desired sub-option using the [Up/Down] navigation keys and press [OK].

   -or-

2) Press the [Left] navigation button.

   Using the [Left/Right] navigation keys, scroll to the desired option.

   Then scroll to the desired sub-option using the [Up/Down] navigation keys and press [OK].

Quick Reference

   To view the *Main Menu* options, their respective sub-menus, and the navigation keys … refer to the illustrations on the next two pages.
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Main Menu Options

1. Phone Book	4. Tools	6. Phone Info
Add New	Schedule	S/W Version
Search	Memo	Network Info
Caller Groups	Alarm Clock	
Speed Dials	Calculator	7. System
Delete All	World Time	Forward
	D-Day	Conference
2. Call History	Site Survey	DND
Missed Calls		MSG/CallBk
Dialed Calls	5. Settings	Flash
Received Calls	Sound	System Speed
All Calls	Display	System Redial
	Security	ICM
3. Messages	Network	Mute
Write Message	System	Transfer
Inbox	Key Lock	Hold/Save
Outbox	Dialing Rule	Program
Draft	User Dictionary	

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Navigation Keys / Menus

(<u>Up</u> Nav Key)

Schedule

Same as Schedule in Tools of Main Menu

(<u>Left</u> Nav Key)   (<u>Right</u> Nav Key)

System   OK   **Flex Key**

Same as System in Main Menu   **Flex 1**

                                                Flex 2

(<u>Down</u> Nav Key)   **....**

Messages   **Flex 12**

Same as Messages in Main Menu

Idle Mode Display

When in idle mode, the display of the *Nomad IP* will appear as shown:

The LCD display is divided into two parts:

1 -- The **rectangle** area displays the status of the *Nomad IP* phone. In an idle mode, only the station number is shown.

2 -- The **time/date/day** area displays the system time, the current date, and the day of the week (*after successful registration*).

Ringing / Call State Display

The following examples show the Ring/Call displays:
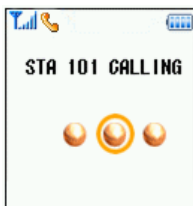
Incoming Call
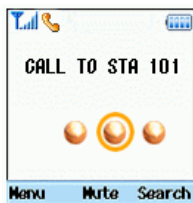
Outgoing Call

Missed Call

- If the caller's name and number are stored in your Phone Book, the *Nomad IP* will show both items on the LCD display.
- If the caller is not in your book, *Nomad IP* will only display the phone number.

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Buttons & Functions

The *Nomad IP* has 10 digit buttons & 17 feature buttons.

Digit Buttons

[0], [1], [2], [3], [4], [5], [6], [7], [8], [9]

Feature Buttons

[*], [#], [SEND], [END], [UP], [DOWN], [LEFT], [RIGHT], [OK], [LSK], [RSK], [HOLD/SAVE], [CLEAR/PREV], [TRANS/PGM], [VOL UP], [VOL DOWN], [PTT]

Refer to the following table for button descriptions.

Button	Function	Description
	Navigation Keys … [OK] [LEFT] [RIGHT] [UP] [DOWN]	*In Menu mode:* - navigation keys move thru menus. - [OK] selects menu or confirms action. *In Idle mode:* - [LEFT] goes to System menu. - [RIGHT] goes to Flex Key menu. - [UP] goes to Schedule menu. - [DOWN] goes to Messages menu.
	[LSK] Left Soft Key	*In Idle mode:* used as a menu key and goes to *Main Menu* mode. *In Menu mode or other modes:* used to access options or special menu keys.
	[RSK] RightSoftKey	*In Idle mode:* used as a search key in the Search menu of the Phone Book. *In Menu mode or other modes:* used to delete or to access special menu keys.

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Button	Function	Description
	[SEND]	*While ringing:* answers an incoming call. *In Idle mode:* shows recent calls. When pre-dialing, or after selecting the call list or Phone Book: dials selected phone number.
	[END]	*During a call:* releases the call. *In Menu mode:* goes to idle mode.
Hold Save	[HOLD]/ [SAVE]	used as a Hold and a Save key.
Trans PGM	[TRANS]/ [PGM]	- used to transfer a call to another station or off-net. - used to program function keys.
Clear /Prev	[CLEAR]/ [PREV]	*In Menu mode:* goes to Previous menu mode. *In Edit mode:* deletes previous input character.
0-9	Dial Pad Keys	Standard dial buttons.
#	[#]	*In Idle mode:* - pressing longer than 1 second goes to Phone Lock mode. - pressing less than 1 second displays # symbol. *In other modes:* displays # symbol.

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Button	Function	Description
	[*]	*In Idle mode:* - pressing longer than 3 secs. goes to Manner mode which provides only vibration for ringing, alarms, etc. (*no tone is presented*). - pressing less than 3 secs. displays *. *In Manner mode:* pressing longer than 3 secs. returns phone to ringing mode. *In other modes:* displays * symbol.
	[VOL UP], [VOL DOWN]	*In Idle mode:* controls key tone volume. *In Voice mode:* controls conversation volume. *In Ringing mode:* controls ringing volume.
	Push-To-Talk	*In Idle mode:* - press & hold the PTT button while speaking. Other parties in your PTT grp can listen to your announcement. - release the PTT button to end your PTT announcement.

Ring / Message LED

The Ring/Message LED is located at the upper right side. The LED turns ON when an incoming call or a new message is received.

- The Ring LED lights solid for incoming calls, and flashes for a message waiting indication.
- When the Ring OFF function is enabled, ring tone is not heard, but the Ring LED lights solid.

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Entering Text

You can enter alphanumeric characters using the keypad of the *Nomad IP* handset. The following text input methods will allow you to place a name in the Phone Book, write a message, or set up events in the Schedule.

Changing Text Input Mode

When you are in a field that allows characters to be entered, you will notice the text input mode indicator in the upper right corner of the display.

Press the [RSK] button to change the input mode to: **Abc, abc, ABC, T9Abc, T9abc, T9ABC** or **123**.

Using T9 Mode

The T9 "predictive text input" mode allows you to enter words easily using a minimum number of keys.

- As you press each key, the handset displays the characters that it thinks you are typing based on a built-in dictionary.
- When new letters are added, the word changes to reflect the most likely entry from the dictionary.

When you are in the T9 mode:

Start entering a word by pressing keys [2] through [9], one key per letter.

- The word changes as letters are typed, ignore what you see on the screen until word is typed completely.
- If the word is still incorrect, press the [*] key to cycle through other entries.

Example:

Press [4] + [6] + [6] + [3] to type the word "Good"; press the [*] key to see other choices .

- If the desired word is missing from the word list, you can add the word by using the ABC mode.
- Missing words can be added to the user dictionary.

Enter the whole word before editing or deleting any keystrokes. Complete each word with a space by pressing [0].

To delete a letter … press the [Clear/Prev] key.

To erase a word … press <u>and</u> hold the [Clear/Prev] key.

Using ABC Mode

To enter text:

Using keys [2] through [9], press the key labeled with the desired letter. Once for the first letter, twice for the second letter, and so on.

To insert a space … press the [0] key once.

To delete a letter … press the [Clear/Prev] key.

To erase a word … press <u>and</u> hold the [Clear/Prev] key.

Using 123 Mode

The 123 Mode enables you to enter numbers in a text messages (a telephone number, for example).

Press the keys corresponding to the required digits before manually switching back to the appropriate text entry mode.

Telephone Features

Registration

The *Nomad IP* is one of the IP phones recognized by the *TeleniumIP* or *XTS IP* / *XTSc-IP* systems. Therefore, the *Nomad IP* must be registered with the system for successful call processing. The registration is accomplished in two phases: wireless LAN connection establishment and MFIM/VoIP card registration.

Wireless LAN Connection

SSID is used as an identifier which means, "you are part of the 802.11b compliant wireless network". The *Nomad IP* should have the same SSID as the one configured within an Access Point (AP). To setup an SSID, refer to *"Network" on page 57*.

MFIM/VoIP Card Setup

XTS IP / *XTSc-IP* --- The *Nomad IP* must be programmed with the IP address of the VoIP card to initially request registration. To setup the VoIP card IP address, refer to *"System" on page 60*.

TeleniumIP --- The *Nomad IP* may be used in Local or Remote mode on *TeleniumIP* systems. Its Local and Remote settings are configured in the same way as a wired IP phone. Refer to *"System" on page 60*.

The *Nomad IP* can be a DHCP client or may be statically configured. Refer to *page 58* for details to set up network configuration.

Rebooting the Nomad IP Phone

After the proper setup of both wireless LAN and MFIM/ VoIP card IP addresses, turn off the phone and turn it on again. The *Nomad IP* will start registration and show its station number, which is given by the MFIM/VoIP card.

Basic Features

Turning the Power On and Off

When pressing the [End] button, the power is turned on and the *Nomad IP* goes to an idle state.

To turn the Phone On:

1. Install a charged battery pack.
2. Press [END] for a few seconds until the blue light in the upper right of the phone is on and off.
   - The *Nomad IP* shows power-on animation.
   - The *Nomad IP* tries to lock the access point while blinking Antenna Icon and RSSI level.
   - If the Antenna icon and RSSI level stop blinking, it means all procedures for initial setup are completed.
   - The *Nomad IP* searches for and sends a registration message to MFIM/VoIP card.
   - If the *Nomad IP* receives REGISTER RESPONSE, it stores and displays the station number.

To turn the Phone Off:

Press the [End] key until the display turns off.

Using Manner and Lock Mode Quickly

Manner Mode (quickly set to vibrate mode)

Use the Manner Mode in public places.

- When in the idle mode, activate the Manner Mode quickly by pressing [*] for 3 seconds.
- When the Manner Mode is set, the key tones are silent, and the phone is set to vibrate.
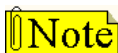
Note	*The phone remains in Manner Mode even if you turn it off and back on.* *To cancel Manner Mode, press [*] for 3 seconds to switch into Normal Mode.*

Lock Mode (Quick)

You can use the Lock Mode to prevent others from using your phone. When in the idle mode:

To activate the Lock Mode quickly … press [#] for 3 seconds. The Lock Mode setting is displayed.

To cancel the Lock Mode … press [OK], select Unlock, then enter your 4-digit password (*default is 0000*).

Mute

The Mute function prevents the other party from hearing your voice, but allows you to hear the other party.

While on a call, the Mute function automatically becomes available and appears on the LCD.

To activate Mute … press the [OK] button.

To cancel Mute … press the [OK] button again.

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Redialing Calls

Press [Send] to redial the last number in your Call History. The latest 100 phone numbers are stored in the Call History list; you can also select one of these to redial.

Adjusting Volume

Use the side keys to adjust the earpiece, ringer, and key beep volumes. The upper key is used to increase the volume, the lower key is used to decrease the volume.

- You may adjust the earpiece volume during a call.
- The ringer volume can be adjusted through the menu.
- The key beep volume is adjusted through the menu.

Signal Strength

Call quality depends on the signal strength in your area. The signal strength is indicated on the screen as the number of bars next to the signal strength icon. The more bars shown, the better the signal strength.

Caller ID

Caller ID lets you know who is calling by displaying the number of the person calling when your phone rings.

AP Probing

The *Nomad IP* has an ability to detect all reachable Access Points (APs). The "Network" menu shows the list of SSIDs configured in the APs. You can choose one of them under this preference. For more information on AP probing, refer to .

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Key Phone Features

Placing a Call

You can make a call to another user in your system or to an external party by dialing the number and pressing the [SEND] button.

To place an outgoing call:

1. Enter a phone number to connect a call.
2. Press the [Send] button.
   - The phone Icon (📞) is shown on the LCD while trying to connect.
   - The connection tone is heard when connection is completed.
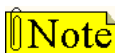
📙Note	*The button on the earbud provided, works as a Send button and can hang up the call.*

CONDITIONS

» If you dial an incorrect digit, you can erase the last digit by pressing [Clear/Prev] button once. If you want to erase all digits, press [Clear/Prev] button for more than 1 second.

» Press the Volume [Up/Down] button on the side during the conversation to control the volume level.

» When conversation is over, press the [End] button. The phone icon will disappear and the call will terminate.

» Call duration time (HH:MM:SS) is displayed on the LCD. (HH = 00-23, MM=00-59, SS=00-59).

» Even though the earbud provided is attached, key tone is heard through the speaker, not through the earbud.

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Answering a Call

When the phone rings or vibrates, press [Send]. If the earbud provided is attached to a *Nomad IP*, you can also receive an incoming call by pressing the button on the earbud when the ring sounds.

When an incoming CO ring is heard and a message from *TeleniumIP* / *XTS-IP* / *XTSc-IP* is displayed on the LCD, press [Send] to connect.
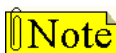
Note	*The button on the earbud provided, works as a Send button and can hang up the call.*

CONDITIONS

- » When audible signals are heard, call information is displayed and the Ring LED will flash.
- » Caller Groups can be distinguished with a different ring type.
- » Press the Volume [Up/Down] button on the side during a conversation to control the volume level.
- » When the conversation is over, press the [End] button. The phone icon disappears and the call is terminated.
- » Even though the earbud is attached, incoming call ring tone is heard through the speaker, not through the earbud.

Transferring a Call

This function lets you send a call to another system user.

To transfer a current call by dialing a number:

1. While talking, either press [Trans/PGM] or press the [Left] navigation key + [0].
2. Dial the number to transfer.
3. Press [End] to release a call (*unscreened transfer*).
   -or-
   Remain on the line until the party to be transferred answers. Announce who is being transferred and press [End] to release the call (*screened transfer*).

To transfer a current call using a Flex key:

1. While talking, either press [Trans/PGM] or press [Left] navigation key + [0].
2. Press the [Right] navigation key and select the desired Flex key. If the Flex key is a CO button, dial the number to transfer.
3. Press [End] to release a call (*unscreened transfer*).
   -or-
   Remain on the line until the party to be transferred answers. Announce who is being transferred and press [End] to release the call (*screened transfer*).

CONDITIONS

» The primary call must be answered before the transfer can be initiated.
» If a transferred call is not answered within 30 seconds, a recall ring will sound at both stations. To reconnect with the transferred call, press the [Send] button.

Holding a Call

You can place the current call on hold so you can make or receive another call.

To hold a call:

Press the [Hold/Save] button.

-or-

1. Press the [Left] navigation key to access "System" options.
2. Scroll to [Hold/Save].
3. Press [OK].

To retrieve a held ICM call (TeleniumIP only):

1. Press [Left] navigation key to access "System" options.
2. Scroll to [ICM].
3. Press [OK].

To retrieve a held CO call:

1. Press [Right] navigation key to access "Flex Keys".
2. Select the CO Flex key.
3. Press [OK].

CONDITIONS

» Call must be answered before Hold can be initiated.

» The *Nomad IP* will receive hold recalling after expiration of the hold recall timer setting. At this time, you can answer the ring by pressing [Send].

» Only one call at a time may be placed on hold.

» *Nomad IP* cannot hold ICM calls on *XTS-IP / XTSc-IP* systems.

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Call Forward

This feature allows you to forward calls under certain conditions. You may forward a call to a specific station, station group, MFIM/VoIP card, or to an external party.

The following Call Forward types are supported in *TeleniumIP* systems.

0 = Remote Forward	3 = No Answer
1 = Unconditional	4 = Busy/No Answer
2 = Busy	5 = No Answer Off-Net (*Attendant only*)

The following Call Forward types are supported in the *XTS-IP / XTSc-IP* systems.

6 = Unconditional	8 = Busy
7 = No Answer	9 = Busy/No Answer

To forward a call in TeleniumIP systems:

1. Press the [Left] navigation key to access "System" options. *Forward* is already selected.
2. Press [OK].
3. Enter Call Forward type (0-5) and destination number.
4. Press [End].

To cancel call forwarding in TeleniumIP systems:

1. Press the [Left] navigation key to access "System" options. *Forward* is already selected.
2. Press [OK].

To forward a call in XTS-IP / XTSc-IP systems:

1. Dial feature code 640.
2. Enter Call Forward type (6-9) and destination number.
3. Press [Send].

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To cancel call forwarding in XTS-IP / XTSc-IP systems:

1. Dial 640.
2. Press [Send].

CONDITIONS

» When Call Forward is active, a station can make outgoing calls (internal or external), but cannot activate a call back or queue request.

» Activating Call Forward will automatically deactivate any active custom display message. Active call back or queue requests are not canceled.

Call Park

You can park a call using a CO line-to-CO line parking location.

To park a call:

1. While connected to an outside call, press [Trans/PGM].
2. Dial a parking location.

System	Parking Location Number
TeleniumIP	601 - 610 for MFIM 601 - 619 for MFIME
XTS-IP / *XTSc-IP*	424-437

3. Press [Send]. The CO line being used is on hold and the *Nomad IP* goes to an idle state.

To retrieve a parked call:

1. Dial the parking location number.
2. Press [Send].

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CONDITIONS

- » Call Park can only be applied to users in "talk status".
- » Once a Call Park condition has been established, the *Nomad IP* goes to an idle state.
- » A parked call will re-call after the time out is reached.

Call Pick-Up

This feature allows you to pick up a call that is ringing at another user's station. Call Pick-Up can be used after the function has been programmed at the attendant station.

GROUP CALL PICK-UP

A station can answer ("Pick-up") incoming and transferred Intercom, CO and IP calls ringing at another station in the same Station Pick-up Group.

- All ringing calls are subject to pick-up by other group member stations, except private lines and queue callbacks.
- If programmed, stations in other types of Station Groups may also use the Group Call Pick-Up function.

To answer a ringing phone in your Call Pick-Up Group:

1. Dial Group Call Pick-Up access code [566].
2. Press [Send].

CONDITIONS

- » A station should be in the same Call Pick-up Group with the ringing station.
- » This feature should be programmed in Admin programming before using. (Refer to Call Pick-up in appropriate System Programming Manual.)

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DIRECTED CALL PICK-UP

A station may answer ("Pick-Up") incoming and transferred Intercom, CO and IP calls ringing at another station. All ringing calls are subject to Directed Call Pick-up, except private lines and queue callbacks.

1. Dial the Directed Call Pick-up access code [7].
2. Dial the ringing station's intercom number.
3. Press [Send].

Call Waiting

Call Waiting is used to notify a busy station that an Intercom call is waiting. The busy station is notified of the call waiting by a camp-on tone.

After receiving a busy signal, calling station can camp-on called station. The called station can respond as follows:

- Answer waiting call (*after placing active call on Hold*)
- Send a Silent Message
- Activate a One-Time DND
- Ignore the Camp-On tone

After receiving an intercom busy tone:

You can press [*], or dial the last digit of the called station number. (Called station will hear camp-on tone.)

- The called party can press [Send] to connect to you. The 1st calling party is automatically placed on hold.
- When you finish your call, the called station can press [Send] to continue speaking with the 1st calling party.
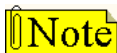
Note	*Pressing the [End] button releases the active call (CO call or intercom call).*

Message Wait / Call Back

You can activate a Message Wait Indication requesting a Call Back when calling a station that does not answer or is in DND. A station may receive a Message Wait from other stations in the system.

- The station receiving the Message Wait can return the call using the [MSG/CALLBK] button or selecting the missed call entry in the Call History's "Missed Calls" list and pressing [Send].
- When a busy station is called, the user may request to be placed in a queue to receive a Call Back. When the called station returns to idle, the system signals the initiating station with Callback ring. When the user answers, the now idle station is called.

To leave a Message Wait indication:

1. After receiving a ringback tone, press the [Left] navigation key.
2. Scroll to [MSG/CALLBK].
3. Press [OK]. The *Nomad IP* goes to an idle condition.

To respond to a message wait indication:

1. Press the [LSK].
2. Press the [Down] navigation button to scroll to "Call History".
3. Press [OK].
4. Press [OK] again to access the list of *Missed Calls*.
5. Press the [Down] navigation button to scroll to the desired missed call entry.
6. Press the [Send] button.

Do Not Disturb (DND)

Use this feature when you do not want to receive any phone calls.

To activate Do Not Disturb (DND):

1. Press the [Left] navigation key.
2. Scroll to [DND].
3. Press [OK].

To deactivate Do Not Disturb (DND):

1. Press the [Left] navigation key.
2. Scroll to [DND] and press [OK].

System Speed Dial

This is the same function as implemented in *TeleniumIP* / *XTS-IP* / *XTSc-IP* with the title of "System Speed Dialing". Refer to the appropriate system manual.

System Speed Redial

This is the same function as implemented in *TeleniumIP* / *XTS-IP* / *XTSc-IP* with the title of "System Speed Redial". Refer to the appropriate system manual.

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Flex Functions

The *Nomad IP* does not have physical Flex buttons. Flex buttons are enabled by software emulation.

How to display:

   Press the [Right] navigation button.

To program a Flex Key on a TeleniumIP system:

1. Press the [Trans/PGM] button.
   -or-
   Press the [Left] navigation button, scroll to "Program" function, and press [OK}.
2. Press the [Right] navigation button.
3. Scroll to an empty Flex Key and press [OK].
4. Enter the desired feature code, and press [Hold/Save].
5. Press the [Right] navigation button to view your new Flex Key entry.

To clear a Flex Key on a TeleniumIP system:

1. Press the [Trans/PGM] button.
   -or-
   Press the [Left] navigation button, scroll to "Program" function and press [OK}.
2. Press the [Right] navigation button to scroll to the desired Flex Key.
3. Press [OK]. The screen will display "Enter New Feature".
4. Press [Hold/Save].

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To program a Flex Key on an XTS-IP/XTSc-IP system:

1. Press the [Left] navigation button and press [6] for System Speed.
2. Press the [Left] navigation button and press [6] for System Speed a second time.
3. Press the [Right] navigation button to scroll to the desired Flex Key.
4. Press [OK].
5. Enter the desired feature code.

To clear a Flex Key on an XTS-IP / XTSc-IP system:

1. Press the [Left] navigation button and press [6] for System Speed.
2. Press the [Left] navigation button and press [6] for System Speed a second time.
3. Press the [Right] navigation button, scroll to the desired Flex key, and press [OK].
4. Press the [Left] navigation button and press [5] for Flash.

CONDITIONS

» Flex bin should be empty before programming.

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Push-To-Talk Groups

In *TeleniumIP* systems, each *Nomad IP* station can be assigned to receive Push-To-Talk (PTT) announcements from other members of the PTT group.

- A station can be assigned to one or more groups, or not assigned to any group.
- PTT groups are defined in the *TeleniumIP* system's administrative programming.

    NOTE: PTT will not work if phone is remote to MIFM(E).

Invoking a PTT

1. Press and hold the [PTT] button while making an announcement.
2. Release the [PTT] button when the announcement is complete.

Receiving a PTT

The idle screen of the *Nomad IP* changes to display the PTT group number, and the announcement is emitted from the speaker.

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Menu Features

The *Nomad IP* offers a set of menus that allow you to customize your phone. These functions are accessed via the Left and Right soft keys.

Each menu and sub-menu lets you view and alter the settings of a specific function. The roles of these soft keys vary according to the applications and services. The label on the bottom of the display (just above each key) indicates its current function.

Left Soft Key (LSK)

Right Soft Key (LSK)

Phone Book [Main Menu + 1]

This menu allows you to save and manage contact address information. The Phone Book option provides functions to add a new address, or to search saved contact addresses by name, phone number and group.

Add New

This menu allows you to add a new contact address. You can enter contact address information that includes … name, phone number, group information items, and personal bell.
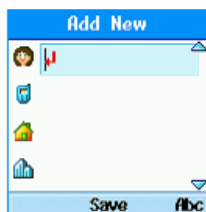
Search

This menu allows you to search your contact addresses. Generally, the search operation is performed by entering a name.
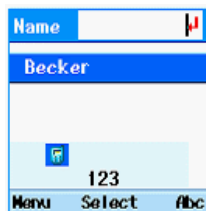
- When the *Search* window appears, it will display the current search function and the results for the search condition that you entered.

- You can change the configuration in the [Menu] option so you can perform these functions … send a message, change a search option, or edit/delete the selected phone number. You can also make a phone call by selecting a phone number and pressing [Send].

Caller Groups

This menu allows you to manage group information. By default, there are 4 groups: family, friends, business, and school. You can edit and delete a group except for default groups.

```
Caller Groups
1  Family
2  Friend
3  Business
4  School

Menu   Select
```

You can also configure a ring tone for a group so that the group ring tone sounds when a call from a specific contact address within that group arrives and there is no ring tone configured for the contact address.

Speed Dials

Speed dialing allows you to make an outgoing call at a specific number by pressing either one or two button(s). Both the number and the associated button are to be registered in the "Speed Dials" option under the "Phone Book" menu. (Up to 99 phone numbers can be linked to speed buttons.)

To associate a phone number with a Speed Dial button:

1. Press the [LSK]. *Phone Book* is already selected.
2. Press [OK] to access the "Phone Book".
3. Press the [Down] navigation key, scroll to Speed Dials, and press [OK].
4. Press the [Down] navigation key to scroll to the desired speed dial bin (1-99).
5. Press the [RSK] and select the "Add" option. A listing of your Phone Book entries will display.
6. Press the [Down] navigation key, scroll to the entry to associate with the speed button, and press [OK].
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To move, change, or delete Speed Dial buttons:

1. Press the [LSK]. *Phone Book* is already selected.
2. Press [OK] to access the "Phone Book".
3. Press the [Down] navigation key, scroll to Speed Dials, and press [OK].
4. Press the [Down] navigation key to scroll to the desired speed dial bin (1-99) that has been programmed previously.
5. Press the [LSK] to access the "Option" menu.
6. Press the [Down] navigation key to scroll to the desired option … Move or Change.
7. Press [OK].
8. Press [OK] to verify that you want to perform the selected action.

Making a call:

1. Press the [LSK]. *Phone Book* is already selected.
2. Press [OK] to access the "Phone Book".
3. Press the [Down] navigation key, scroll to Speed Dials, and press [OK].
4. Press the [Down] navigation key to scroll to the desired speed dial bin (1-99).
5. Press [Send].

CONDITIONS

» Only numbers in your Phone Book can be registered as speed dial numbers.

Delete All

This menu deletes all saved Phone Book information.

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Call History [Main Menu + 2]

You can access the recent call register by pressing [Send].

Different icons are used to show the types of calls registered in the list.

- Each call type is stored in a separate area for easy viewing: Missed Calls, Dialed Calls, or Received Calls.
- Selecting "All Calls" will allow you to view the call records for ALL types of calls.
- Call History can store up to 100 call records. Once the maximum number is reached, any new call is placed at the top of the list (most current) and the oldest call record is removed.
- Each call record menu allows you to perform the following functions:

  • Place a call to a number in the call record.
  • Save a number in the call record to the Phone Book.
  • Send a message to the number in the call record.
  • View detailed information about the call records to include: date, time, and call duration.
  • Clear call records.

Messages [Main Menu + 3]

You can send/receive a short text message to/from any other IP phones in a *TeleniumIP* system. The message may contain up to 100 characters and you can send the message to up to 20 different numbers.

Write Message

1. Press the [Down] navigation key, then skip to Step 5.

-or-

2. Press the [LSK] to access the *Main Menu*.
3. Press the [Down] navigation key to scroll to "Messages".
4. Press [OK]. *Write Message* is already selected.
5. Press [OK] to enter Short Message Service (SMS) area.
6. Enter message in the "Contents" area, and press [OK].
7. Enter the station numbers in the "To" area, then press [OK] to send the message.

For details, see *"Changing Text Input Mode" on page 14*.

When in the Contents Area … you can press the [LSK] to access these menu items: select a prepared comment from a Template, choose an Emoticon for insertion into your Contents, or search the Phone Book.

CONDITIONS

» When you send a message, you will not be able to tell if your message has been received.
» If you send a message to an invalid destination, the LCD will display "Access Denied".
» If you receive an incoming call while writing a message, your message will disappear.

Inbox

You can browse the messages stored in your mailbox. Any message that comes to the *Nomad IP* is stored in this mailbox.

1. Press the [Down] navigation key, then skip to Step 4.

-or-

2. Press the [LSK] to access the *Main Menu*.
3. Press the [Down] navigation key and scroll to "Messages".
4. Press [OK]. *Write Message* is already selected.
5. Press the [Down] navigation key to scroll to "Inbox".
6. Press [OK] to view the contents of your Inbox.
7. Use the [LSK] and [RSK] buttons to: reply, forward, delete, or delete all messages in your Inbox.

» The Inbox can hold up to 10 messages. If the mailbox is full, no new messages will be received until one or more stored messages are deleted.

Outbox

Any message sent from the *Nomad IP* is stored in this mailbox.

1. Press the [Down] navigation key, then skip to Step 4.

-or-

2. Press the [LSK] to access the *Main Menu*.
3. Press the [Down] navigation key, scroll to "Messages", and press [OK]. *Write Message* is already selected.
4. Press the [Down] navigation key to scroll to "Outbox".
5. Press [OK] to view the contents of your outbox.

6. Use the [LSK] and [RSK] buttons to: forward, edit,
   delete, or delete all messages in your Outbox.

» A maximum of 30 messages can be stored in the
  outbox. Once the outbox reaches 30 messages, any
  new message is placed at the top of the queue (most
  current) and the oldest message is removed.

Draft

Any messages that have been prepared and saved, but
not yet sent, are stored in this area.

1. Press the [Down] navigation key, then skip to Step 5.
-or-
2. Press the [LSK] to access the *Main Menu*.
3. Press the [Down] navigation key, scroll to Messages,
   and press [OK]. *Write Message* is already selected.
4. Press the [Down] navigation key, to scroll to "Draft".
   - Press [OK] to view the contents of messages that you
     previously prepared and have saved, but not yet sent.
   - Press the [Down] navigation key to scroll to the
     desired draft message.
   - Press [OK] to view the Contents and the" To"
     information of the message. Make any desired
     changes, then either send or save for future delivery.

» A maximum of 10 draft messages can be stored.

Tools [Main Menu + 4]

Schedule

The Scheduler keeps your agenda convenient and easy to access. Simply store your appointments and your phone alerts you with a reminder of your appointment. You can also take advantage of the Alarm Clock feature.

MONTHLY SCHEDULE MANAGEMENT

1. Press the [Up] navigation key, then skip to Step 6.

-or-

2. Press the [LSK] to access the *Main Menu*.
3. Press the [Down] navigation key to scroll to "Tools".
4. Press [OK]. *Schedule* is already selected.
5. Press [OK] to display the monthly calendar.
6. Initially, the cursor appears on today's date according to your *Nomad IP* settings.

   You can move the cursor to the desired date using the [Up/Down/Left/Right] navigation keys.
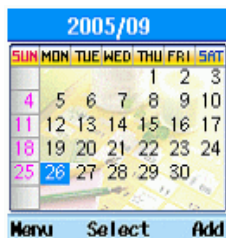
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ADDING A NEW SCHEDULE ITEM

1. Press the [Up] navigation key, then skip to Step 6.

-or-

2. Press the [LSK] to access the *Main Menu*.

3. Press the [Down] navigation key to scroll to "Tools".

4. Press [OK]. *Schedule* is already selected.

5. Press [OK] to display the monthly calendar.

6. Initially, the cursor appears on today's date according to your *Nomad IP* settings. Move the cursor to the desired date using the [Up/Down/Left/Right] navigation keys.

7. Press the [RSK] to add a new schedule item.

   -or-

   Press the [LSK] to scroll to the "Add" option, and press [OK].

8. Press the [Up/Down/Left/Right] navigation keys to access the date, time, and subject fields.

9. Enter the data and press [OK] to save the item.
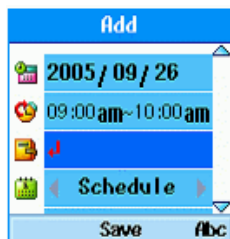
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DELETING A SCHEDULE ITEM

1. Press the [Up] navigation key, then skip to Step 6.

-or-

2. Press the [LSK] to access the *Main Menu*.
3. Press the [Down] navigation key to scroll to "Tools".
4. Press [OK]. *Schedule* is already selected.
5. Press [OK] to display the monthly calendar.
6. *To delete a schedule item,* press the [Up/Down/Left/ Right] navigation keys to go to the date of the item, then press [OK] to access a list of items for that day.
7. Press the [Up] or [Down] navigation key to access the item you want to delete, then press [OK].
8. Press the [RSK] to select the Delete option, then press [OK] to confirm the delete action.
9. *To delete All or Past items,* press the [LSK].
10. Press the [Down] navigation key to select Delete, then press [OK].
11. Select *Delete All* and press [OK] to delete all items.

    -or-

12. Select *Delete Past* and press [OK] to delete all schedule items prior to today. (This option does not delete items scheduled on the current date.)
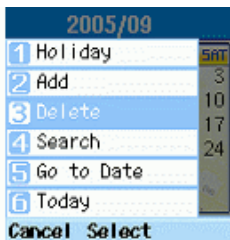
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SET HOLIDAY

1. Press the [Up] navigation key, then skip to Step 6.

-or-

2. Press the [LSK] to access the *Main Menu*.
3. Press the [Down] navigation key to scroll to "Tools."
4. Press [OK]. *Schedule* is already selected.
5. Press [OK] to display the monthly calendar.
6. Press the [Up/Down/Left/Right] navigation keys to go to the date of the holiday.
7. Press the [LSK]. *Holiday* is already selected.
8. Press [OK].
9. Select the holiday configuration type and press [OK].

   - Supported holiday types include: the day, Weekly, Monthly, and Yearly.
   - The date corresponding to the configured holiday is represented "in red" in the Monthly Schedule management screen.

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SEARCHING FOR A SCHEDULE ITEM

1. Press the [Up] navigation key, then skip to Step 6.

-or-

2. Press the [LSK] to access the *Main Menu*.
3. Press the [Down] navigation key to scroll to "Tools".
4. Press [OK]. *Schedule* is already selected.
5. Press [OK] to display the monthly calendar.
6. Press the [LSK] to access the menu.
7. Press the [Down] navigation key to scroll to "Search".
8. Press [OK] to display the Search Schedule items screen.
9. Enter the subject of the schedule item you wish to find.
10. Then select the schedule type and press [OK].

   - If there are schedule items that meet the search criteria, the schedule items are displayed.
   - If no matching schedule item is found, the "No match schedule item" message appears.

MOVING TO A SPECIFIC DATE
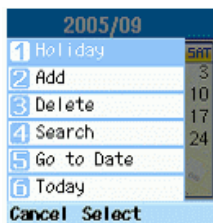
1. Press the [Up] navigation key, then skip to Step 6.

-or-

2. Press the [LSK] to access the *Main Menu*.
3. Press the [Down] navigation key to scroll to "Tools".
4. Press [OK]. *Schedule* is already selected.
5. Press [OK] to display the monthly calendar.
6. Press the [LSK] to access the menu.
7. Press the [Down] navigation key to scroll to "Go to Date".
8. Press [OK] to display the Go to Date screen.
9. Enter the desired date, then press [OK].

   The cursor will then move to the specified date.

GO TO TODAY

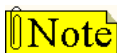1. Press the [Up] navigation key, then skip to Step 6.

-or-

2. Press the [LSK] to access the *Main Menu*.
3. Press the [Down] navigation key to scroll to "Tools".
4. Press [OK]. *Schedule* is already selected.
5. Press [OK] to display the monthly calendar.
6. Press the [LSK] to access the menu.
7. Press the [Down] navigation key to scroll to "Today".
8. Press [OK]. The cursor will then move to today's date.

Memo

This menu allows you to record a note of up to 200 characters. A maximum of 30 memos can be stored.

1. Press the [LSK] to access the *Main Menu*.
2. Press the [Down] navigation key to scroll to "Tools".
3. Press [OK]. *Schedule* is already selected.
4. Press the [Down] navigation key to scroll to "Memo".
5. Press [OK].
6. Press the [RSK] to add a new memo.
7. Enter the desired memo text, then press [OK] to save the memo.

🗒️**Note**	*When entering text for the memo, you may want to press the [LSK] to access one of the following:* *- a template with a prepared message,* *- emoticons to apply to your text.*

SAVED MEMOS

1. Press the [LSK] to access the *Main Menu*.
2. Press the [Down] navigation key to scroll to "Tools".
3. Press [OK]. *Schedule* is already selected.
4. Press the [Down] navigation key to scroll to "Memo".
5. Press [OK]. The saved memo list is displayed.

MEMO ADD

1. Press the [LSK] to access the *Main Menu*.
2. Press the [Down] navigation key to scroll to <u>Tools</u>.
3. Press [OK]. *Schedule* is already selected.
4. Press the [Down] navigation key to scroll to "Memo".
5. Press [OK]. The saved memo list is displayed.
6. Press the [RSK] to add a new memo.

   -or-

   Press the [LSK]. The *Add* function is already selected; press [OK].
7. Enter the contents of the memo to be saved.
8. Press [OK] to save the memo.

MEMO DELETE / DELETE ALL

1. Press the [LSK] to access the *Main Menu*.
2. Press the [Down] navigation key to scroll to "Tools".
3. Press [OK]. *Schedule* is already selected.
4. Press the [Down] navigation key to scroll to "Memo".
5. Press [OK]. The saved memo list is displayed.
6. Press the [Down] navigation key to scroll to the memo you wish to delete.
7. Press the [LSK], then press the [Down] navigation key to select either Delete or Delete All.
8. Press [OK].

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Alarm Clock

The alarm function lets you set up to three separate alarms. You can also set the time, repetition interval and alarm sound.

1. Press the [LSK] to access the *Main Menu*.
2. Press the [Down] navigation key to scroll to "Tools".
3. Press [OK]. *Schedule* is already selected.
4. Press the [Down] navigation key to scroll to "Alarm Clock" and press [OK].
5. From the alarm list, select the desired entry. If there are no alarm entries, press the [RSK] to add a new alarm.
6. Set the alarm to ON or OFF using the navigation key.
7. Enter the hour and minute for the desired alarm time. If the time is based on a12-hour format, press the [RSK] and select either "am" or "pm".
8. Select desired repeat mode using a navigation key.
9. Enter the alarm name.
10. Select the bell for the alarm using the navigation key.
11. When you have completed the configuration, press [OK] to save the alarm settings.

Note	- *The alarm function does not work if the handset is turned OFF.*
	- *During a voice call, the alarm works in Vibration mode.*

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Calculator

The calculator function allows you to add, subtract, multiply and divide.
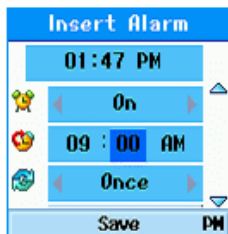
1. Press the [LSK] to access the *Main Menu*.
2. Press the [Down] navigation key to scroll to "Tools".
3. Press [OK]. *Schedule* is already selected.
4. Press the [Down] navigation key to scroll to the "Calculator" option.
5. Press [OK].

Using the Calculator

- Enter digits using the dial pad number keys.

- Access the mathematical functions (+, -, *, /) using the [Up/Down/Left/Right] navigation keys.

- Enter a decimal point by pressing the [LSK].

- Whenever you press the [Clear/Prev] button, characters are deleted sequentially in the reverse direction.

- To erase ALL digits, press the [Clear/Prev] button for more than 1 second.

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World Time

The World Time function provides time information on major cities worldwide.

1. Press the [LSK] to access the *Main Menu*.
2. Press the [Down] navigation key to scroll to "Tools".
3. Press [OK]. *Schedule* is already selected.
4. Press the [Down] navigation key to scroll to "World Time".
5. Press [OK].
6. Press the [Left] and [Right] navigation keys to view the time of desired country or city.
7. Select a desired city as a base using the [Home] key.
8. Press the [Left] and [Right] navigation keys to view the time of desired country or city.

D-Day

D-DAY FINDER

The D-day Finder shows the date after a specified number
of days from a specified start date.

1. Press the [LSK] to access the *Main Menu*.
2. Press the [Down] navigation key to scroll to "Tools".
3. Press [OK]. *Schedule* is already selected.
4. Press the [Down] navigation key to scroll to "D-Day".
   D-day Finder is already selected.
5. Press [OK] to access the "D-day
   Finder" screen.
6. Enter the "From" date as YYYY/
   MM/DD, then enter the number
   of days and press [OK]. The D-
   day displays on the bottom of
   the screen.

D-day finder	
From	2005 / 09 / 26
After	0 Days
Dday	2005 / 09 / 26
Prev	OK

D-DAY COUNTER

The D-day Counter is a timer that counts down to a
specified future date. You can make up to 20
D-day Counters.

1. Press the [LSK] to access the *Main Menu*.
2. Press the [Down] navigation key to scroll to "Tools".
3. Press [OK]. *Schedule* is already selected.
4. Press the [Down] navigation key to scroll to "Timer".
5. Press [OK]. *D-day Finder* is already selected.
6. Press the [Down] navigation key to scroll to "D-day
   Counter" and press [OK].

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To review a previously entered Counter item:

1. Select the desired item in the list.
2. Then press [OK] to view the counter parameters: *Title, Target Date,* and *Days Remaining.*

To add a new Counter item:

1. Press the [RSK] and enter a *Title* for the item.
2. Enter the *Date* as YYYY/MM/DD.
3. Then press [OK] to add the item to the list.

SITE SURVEY

The Site Survey window provides specific information about the *Nomad IP* such as:

- BSSID (MAC address of the phone)
- SSID
- Channel
- Signal
- Noise
- Quality

1. Press the [LSK] to access the *Main Menu.*
2. Press the [Down] navigation key to scroll to "Tools".
3. Press [OK]. *Schedule* is already selected.
4. Press the [Down] navigation key to scroll to "Site Survey".

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Settings [Main Menu + 5]

Sound

The Sound menu and its sub-menus are described in the following sections.

ALERT BY

The Alert By menu determines the incoming call notification mode. You can select from Crescendo, Ringer Sound, Vibration, Ring after vibration, Ring and Vibration, Mute, and Vibrate once.

RING TONE

The Ring Tone menu determines the ring tone for incoming call notification.

The *Nomad IP* supports 5 different ring tone types, each with 10 tones under each type.

RING TONE VOLUME

The Ring Tone menu determines the ring tone volume for incoming call notification.

POWER-ON TONE

The Power-On Tone menu determines the "switch on" effect that sounds when the *Nomad IP* is turned on.

POWER-OFF TONE

The Power-Off Tone menu determines the "switch off" effect that sounds when the *Nomad IP* is turned off.

KEY TONE

The Key Tone menu determines the key tone that sounds when a key is pressed.

KEY TONE VOLUME

The Key Tone Volume menu determines the volume of the key tone.

EFFECT SOUND

The Effect Sound menu determines the confirmation tone that sounds.

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Display

In this menu, you can configure screen display options including Screen settings and themes.

SCREEN THEME

Screen background in an idle state is defined here. Currently, four screen themes are provided.

IDLE CLOCK

You can configure the font type and color of the clock displayed on the main screen. You can configure type to: Clock Off, Small, or Large. If "Small or Large" is selected, you can set the color using the color chart.

MENU STYLE

You can configure the menu to: Arch style or List style. For more details, refer to *"Main Menu Display " on page 6*.

BACKLIGHT

Use this function to set the backlight duration and brightness settings.

Item	Default Value
Standard	- LCD duration: 5 sec - LCD brightness: Bright
Saving	- LCD duration: 5 sec - LCD brightness: Normal
Ultra Saving	- LCD duration: Always Off - LCD brightness: Normal
User Settings	- LCD duration: Always Off, 5 sec, 10 sec, 15 sec, 20 sec, - Always On - LCD brightness: Normal, Bright, Brightest

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LCD CONTRAST

You can adjust the brightness of the main screen by using the [Left] and [Right] navigation keys. Press the navigation key for more than 1.5 sec to change fully to -50 or 50.

Power Save

You can set the phone to one of three power options: LCD On, LCD Off, or No Power Save.

Security

Security options are provided to lock the *Nomad IP* for privacy.

Lock Phone

After selecting the Lock Phone function, the *Nomad IP* will prompt you to enter a password. The default password is 0000. You can change the password.

Reset Default

It changes sound setting and display settings.

Network

The Network menu provides information on using the network configuration. This menu has 5 sub-menus:

- DHCP
- Static IP
- 802.11b Config
- Authentication
- Load Default

DYNAMIC HOST CONFIGURATION PROTOCOL (DHCP)

The DHCP client provides a
mechanism for allocating IP
addresses dynamically so that
addresses can be reused when
hosts no longer need them.

This menu determines whether or
not to use DHCP.

When DHCP is set to NO, you must
set the static IP address in the following menu.

*(When used as Local mode in TeleniumIP systems, this
setting is not relevant.)*
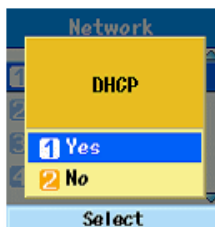
SETTING STATIC IP ADDRESS

You can configure a static IP Address, Subnet, Primary
Gateway, and Primary DNS.

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SETTING 802.11B CONFIGURATION

You can configure the following
802.11b parameters:

- SSID
- Encryption (WEP 64/128 bits)

AP PROBING

The *Nomad IP* searches all the reachable APs. To detect
the APs, select "Auto" from the *SSID* items in the "Setting
802.11b Config" menu.

The *Nomad IP* shows a list of the SSIDs configured in the
APs from which to choose (20 *maximum*).

- If you cannot find the desired AP, you can try AP
  probing by pressing [Clear/Prev] and [OK].
- After you have selected an AP, you will need to reboot
  the *Nomad IP*.

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System

DIRECT SEND / REMOTE MODE / SAME ROUTER

These menus are all related to the MFIM/VoIP card configuration. For normal interaction with an MFIM/VoIP card in *TeleniumIP* / *XTS-IP* / *XTSc-IP* systems, the *Nomad IP* should be configured like one of the IP phones.

- For detailed descriptions about Direct Send/Remote Mode/Same Router, refer to the IP phone section in the *TeleniumIP* / *XTS-IP* / *XTSc-IP* Technical Manuals.

DIRECT SEND

The *Nomad IP* can automatically locate an MFIM/VoIP card when the Direct Send value is set to NO. This allows a user to register to the MFIM/VoIP card without knowing the IP address of the MFIM/VoIP card.

If there is more than one MFIM/VoIP card in the same IP Subnet, a user can selectively register to a specific MFIM/VoIP card by setting its value to YES.

SYSTEM IP

This menu shows the IP address of MFIM/VoIP card.

STATION SET

This feature is not applicable to *Nomad IP* phones used with *TeleniumIP* / *XTS-IP* / *XTSc-IP* systems.

Key Lock

When Key Lock is enabled, the keypad will automatically lock on an idle screen once the Key Lock time setting is reached. You can unlock the phone keypad by pressing the [OK] button twice. However, the keypad will automatically lock up again unless you change the Key Lock setting to "Disable". The Key Lock settings are: Disable, 10 seconds, 30 seconds, and 1 minute.

Dialing Rule

You can set up a CO Access Code in a Dialing Rule that will be attached to dialing in recent calls, Phone Book, and Call History (except when dialing in an idle state). The number is checked in recent calls, Phone Book, and Call History. If the length of the dialing number is more than 4 (except those with a CO Access Code), the CO Access Code will be added to the dialing number.
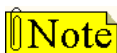
Note	*To distinguish between a 4-digit CO and 4-digit ICM, leave the dial number added CO Access Code in recent calls.*

User Dictionary

You can add a word to the T9 Dictionary which is used to reduce keystrokes in features that require alphabetic input.

When you access a feature that requires entering text, and you are in T9 editing, press the key with the alpha character once for each character of the word, then press the [*] key.

Phone Info [Main Menu + 6]

S/W Version

This area allows you to view the software version of your *Nomad IP*.

Network Info

This menu allows you to access the data in the following sub-menus:

- MAC address
- IP Address

System [Main Menu + 7]

Forward

Refer to *"Call Forward" on page 24*.

Conference

You can use this feature to establish a three-way conference call.

While on a call:

1. Press the [Left] navigation key.
2. Select "Conference".
3. Dial the number of the party to add to the conference.
4. Press the [Left] navigation key.
5. Choose "Conference" again.

DND

Refer to *"Do Not Disturb (DND)" on page 29*.

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Message/Call Back

Refer to *"Message Wait / Call Back" on page 28*.

Flash

Use the Flash option to insert a Flash command.

System Speed

Refer to *"System Speed Dial" on page 29*.

System Redial

Refer to *"System Speed Redial" on page 29*.

ICM

Use the ICM option to allow two intercom calls to be managed simultaneously. Refer to *"To retrieve a held ICM call (TeleniumIP only):" on page 23*.

Mute

Use the Mute option while on an active call to prevent the other party from hearing your conversation. You can still hear the other party, but they cannot hear you.

Transfer

Refer to *"Transferring a Call " on page 22*.

Hold/Save

Refer to *"Holding a Call" on page 23*.

Program

Refer to *"Flex Functions" on page 30* (*TeleniumIP* only).

DRAFT